

WHAT IS CLAIMED IS:

1. A reflective optical film comprising a layer containing a polylactic acid voided with inorganic particles in a size and an amount sufficient to provide a visible light reflectivity of at least 96%.
2. The film of claim 1 further comprising dispersed UV absorbing particles in amounts sufficient to provide a UV light reflectivity of less than 40 %.
3. The film of claim 1 wherein said polylactic acid comprises poly(L-lactic acid) or poly(D-lactic acid).
4. The film of claim 1 wherein said polylactic acid is a mixture of poly(L-lactic acid) and poly(D-lactic acid).
5. The film of claim 1 wherein the inorganic particles are present in an amount between 25 to 70 wt%.
6. The film of claim 1 wherein the inorganic particles include barium sulfate or titanium dioxide.
7. The film of claim 2 wherein the UV absorbing particles are present in an amount between 0.5 and 10.0 wt%.
8. The film of claim 7 wherein the UV absorbing particles include titanium dioxide.
9. The film of claim 1 wherein said inorganic particles have an average size from 0.1 to 10.0 μm .
10. The film of claim 1 wherein said inorganic particles have an average size from 0.3 to 2.0 μm .

11. The film of claim 1 wherein the film contains a second voided polylactic acid layer adjacent to and integral with the polylactic acid voided layer with inorganic particles.

12. The film of claim 11 wherein the second voided polylactic acid layer comprises a polymer that is immiscible with polylactic acid as voiding agent.

13. The film of claim 12 wherein the polymer that is immiscible with polylactic acid is polypropylene.

14. The film of claim 12 wherein the polymer that is immiscible with polylactic acid is present in the layer at 5 to 30 wt% of the second layer.

15. The film of claim 11 wherein the second voided polylactic acid layer comprises poly(L-lactic acid) or poly(D-lactic acid).

16. The film of claim 11 wherein the second voided polylactic acid layer comprises a mixture of poly(L-lactic acid) and poly(D-lactic acid).

17. The film of claim 11 wherein a third voided polylactic acid layer, containing inorganic particles, is adjacent to and integral with the second voided polylactic acid layer and on the opposite side of the second layer from the first voided polylactic acid layer with inorganic particles.

18. An LCD display comprising the film of claim 1.

19. An LCD display comprising the optical film of claim 2.